



SEQUENCE LISTING

<110> Akzo Nobel, NV
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Hellings, Jan Albert

<120> Hepatitis Y Virus

<130> 9310-37

<140> US 09/868,553
<141> 2001-06-18

<150> PCT/EP99/10179
<151> 1999-12-16

<150> EP98204313.5
<151> 1998-12-18

<150> EP99200167.7
<151> 1999-01-20

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<170> PatentIn version 3.1

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atgtccagcg tggccaaagg cactgcccgg cgccgttggcc gactggacgc ccaggcgctg 180
caaagccaag gcgtgcagac gctgctcgag gcccaccgca actggagcaa gcccggagctg 240
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caccgaccaa tccacccgca cccgtaccgg cgaagaactc gacgctgccg tcatcgacgc	180
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<213> Unknown

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<223> Hepatitis Y virus

<400> 11

Ser Gln Ala Thr Ala Arg Arg Thr Tyr Ala Glu Arg Ile Arg Arg Arg
1 5 10 15

Thr Ala Arg Pro Arg Gln Thr Ala Pro Val Arg Gln Ala Val Arg Gly
20 25 30

Val Gln Pro Arg Leu Tyr Arg His Val Gln Arg Gly Gln Ser His Cys

35

40

45

Pro Ala Arg Trp Pro Thr Gly Arg Pro Gly Ala Ala Lys Pro Arg Arg
50 55 60

Ala Asp Ala Ala Arg Gly Pro Pro Gln Leu Glu Gln Ala Arg Ala Val
65 70 75 80

Val Arg His Arg Ala Arg Arg Gln Gly Leu His Leu Arg Leu Leu Pro
85 90 95

Asp Arg Thr Gly
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<210> 12

<211> 101

<212> PRT

<213> Unknown

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20 25 30

Ser Ser Thr Ala Pro Ile Pro Ala Cys Pro Ala Trp Pro Lys Pro Leu
35 40 45

Pro Gly Ala Leu Ala Asp Trp Thr Pro Arg Arg Cys Lys Ala Lys Ala
50 55 60

Cys Arg Arg Cys Ser Arg Pro Thr Ala Thr Gly Ala Ser Pro Ser Cys
65 70 75 80

Gly Thr Pro Ser Ser Ala Pro Ala Arg Phe Thr Pro Thr Ile Thr Thr
85 90 95

Xaa Pro His Trp Ile
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<213> Unknown

<220>
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Glu Leu His Ala Leu Asp Lys Gln Arg Leu Ser Gly Lys Leu Ser Glu
20 25 30

Glu Phe Asn Arg Ala Tyr Thr Gly Met Ser Ser Val Ala Lys Ala Thr
35 40 45

Ala Arg Arg Val Gly Arg Leu Asp Ala Gln Ala Leu Gln Ser Gln Gly
50 55 60

Val Gln Thr Leu Leu Glu Ala His Arg Asn Trp Ser Lys Pro Glu Leu
65 70 75 80

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85 90 95

Leu Thr Ala Leu Asp
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20 25 30

Arg Ala Ala Ser Ala Arg Leu Gly Phe Ala Ala Pro Gly Arg Pro Val
35 40 45

Gly Gln Arg Ala Gly Gln Trp Leu Trp Pro Arg Trp Thr Cys Arg Tyr
50 55 60

Arg Arg Gly Xaa Thr Pro Arg Thr Ala Cys Arg Thr Gly Ala Val Cys
65 70 75 80

Arg Gly Arg Ala Val Arg Arg Arg Ile Arg Ser Ala Tyr Val Arg Arg
85 90 95

Ala Val Ala Cys Asp
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<210> 15

<211> 101

<212> PRT

<213> Unknown

<220>

<223> Hepatitis Y virus

<400> 15

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Leu Asp Gly Val Pro Gln Leu Gly Leu Ala Pro Val Ala Val Gly Leu
20 25 30

Glu Gln Arg Leu His Ala Leu Ala Leu Gln Arg Leu Gly Val Gln Ser
35 40 45

Ala Asn Ala Pro Gly Ser Gly Phe Gly His Ala Gly His Ala Gly Ile
50 55 60

Gly Ala Val Glu Leu Leu Gly Gln Leu Ala Gly Gln Ala Leu Phe Val
65 70 75 80

Glu Gly Val Gln Phe Val Asp Glu Tyr Ala Gln Arg Thr Phe Val Gly
85 90 95

Gln Leu Leu Val Ile
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Ser Met Ala Tyr His Ser Ser Gly Leu Leu Gln Leu Arg Trp Ala Ser
20 25 30

Ser Ser Val Cys Thr Pro Trp Leu Cys Ser Ala Trp Ala Ser Ser Arg

35

40

45

Pro Thr Arg Arg Ala Val Ala Leu Ala Thr Leu Asp Met Pro Val Xaa
 50 55 60

Ala Arg Leu Asn Ser Ser Asp Ser Leu Pro Asp Arg Arg Cys Leu Ser
 65 70 75 80

Arg Ala Cys Ser Ser Ser Thr Asn Thr Leu Ser Val Arg Ser Ser Gly
 85 90 95

Ser Cys Leu Xaa Pro
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<212> DNA

<213> Unknown

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cgctggatg atcacaagca actgcccggac gaaaaaaaccc tgcaggtctt cgccagcga 180

ctgcatggcc ttaaccagca gcgcctgtcc ggcaagctct ccgaagaact caaccgcgcc 240

tataccggca tgtccagcgt ggtcaaagcc actgcccggc gcttggcccg actggacgcc 300

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<400> 18

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gcgcagcgtg catcaccgcg ccgtggccga gctgattcccc ctgaccctgg ccgagctcgaa 120

acgctggat gatcacaagc aactgcccggc cgaaaaaaacc ctgcaggtct tcgcccagcga 180

actgcatggc cttaaccagc aggcgcctgtc cggcaagctc tccgaagaac tcaaccgcgc 240

ctataccggc atgtccagcg tggtcaaagc cactgcccgg cgcttggcc gactggacgc 300

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ctgattcccg tgaccctggc cgagtcgaac gctggatga tcacaagcaa ctgcccggacg	180
aaaaaaacct gcaggtcttc gccagcgaac tacntncctt aaccaggcagc gcctgtccgg	240
caactctccg aagaactcaa ccacgcctat accggcatat cctgcgtgct caaatttact	300
gccccggcgcg ttggccgact ggacgcccag gctgcaaa gccaaggcgt gcagacgctg	360
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ggcgcgttgg ccgactggac gcccaggcgc tgcaaagcca aggcgtgcag acgctgctcg      180
aggcccaccc caactggagc aagcccgagc tgtggtacgc catcgagcgc gccggcaagg      240
tttacaccta cgattactac ctgaccggac tgcatactcgat gatctatact gactaatccc      300
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tannnnn                                         366

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caccttgtca tccctgacca ccagcgaagc cggccaagcc gccagcgccc gtcgcaagaa      180
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tccccctgacc ctggccgagc tcgaacgctg ggtatgatcac aagcaactgc cggacgaaaa      360
aacccctgcag gtcttcgcca gcgaactgca tggccttaac cagcagcgcc tgtccggcaa      420
gctctccgaa gaactcaacc gcgcctatac cggcatgtcc agcgtggtca aagccactgc      480
ccggcgcgtt ggccgactgg acgcccaggc gctgcaaagc caaggcgtgc agacgctgct      540
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gcgtattcgt cgacgaactg cacgcctcg acaaacagcg cctgtccggc aagctgtccg      360
aggagttcaa ccgcgcctat accggcatgt ccagcgtggt caaagccact gcccggcgcg      420
ttggccgact ggacgcccag gcgctgcaaa gccaaggcgt gcagacgctg ctcgaggccc      480
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<213>  Unknown

<220>
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ggcgcgttgg ccgactggac gcccaggcgc tgcaaagcca aggcgtgcag acgctgctcg      180
aggcccaccc caactggagc aagcccgagc tgtggtacgc catcgagcgc gccggcaagg      240
tttacaccta cgattactac ctgaccgcac tggatctgga gatgcacccccc gacgagggca      300
tccaggtgcg ccaggacacg cagatctatc tgcagctgta ttccaagacc ctgaacatgg      360
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ggcgcgttgg ccgactggac gcccaggcgc tgcaaagcca aggcgtgcag acgctgctcg 180
aggcccaccc caactggagc aagcccgagc tgtggtacgc catcgagcgc gccggcaagg 240
tttacaccta cgattactac ctgaccgcac tggatctgga gatgcacccccc gacgagggca 300
tccagacctg cccggggcggc cgctcgaccc ctatagtgag taatccgcg gccatggcgg 360
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gccgtcgttt tacaangtng tgaatggnaa ancctggcgt tacccaactt aatcgccctg 480
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ggcgcgttgg ccgagtggac gcccaggcgc tgcaaagcca aggcgtgcag acgctgctc 180
gaggcccacc gcaactggag caagcccgag ctgtggtacg ccacgagcgc cgccggcaag 240
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atgtccagcg tggccaaagc cactgcccgg cgcgttggcc gactggacgc ccaggcgctg 180
caaagccaag gcgtgcagac gctgctcgag gcccaccgca actggagcaa gcccggagctg 240
tggta cgccca tcgagcgccgc cggcaaggtt tacacctacg attactacct gaccgcactg 300
gatctggaga tgcaccccg a cgagggcatc caggcgccgc aggacacgca gatctacctg 360
cccgccg 368